

IN THE CLAIMS

Please cancel Claims 2 and 3 without prejudice or disclaimer of the subject matter therein.

1. (Original) A disk table rotation supporting structure, comprising:

a tray being movable back and forth and having a circular inner wall surface that stands upward, a bottom surface provided on an inside of the inner wall surface, a central axis portion that stands upward on a center portion of the bottom surface, and a receiving portion disposed around the central axis portion;

a disk table that can load a plurality of disks thereon and has a large circular-ring supporting rib provided downward in neighborhood of the inner wall surface and in the vicinity of a periphery of the disk table, a central through hole portion opened in a center portion and into which the central axis portion is inserted, and a small circular-ring rib extending downward from a periphery of the central through hole portion around the central axis portion to enter into the receiving portion of the tray, the large circular-ring supporting rib and the small circular-ring rib positioned close to the bottom surface of the tray to support rotatably the disk table on the tray;

a cam body having a gear portion;

an idler gear rotated by a driving motor via a rotating/driving mechanism and having a gear tooth portion that engages with the gear portion of the cam body when the idler gear is moved to one side to drive a disk playing mechanism that moves vertically a turn table, and that engages with an inward gear tooth portion provided on the large circular-ring supporting rib; and

a lubricating member;

wherein only the large circular-ring supporting rib is supported rotatably on the bottom surface of the tray via the lubricating member and the disk table is rotated by a rotation of the idler gear via the rotating/driving mechanism in this situation.

2. (Cancelled)

3. (Cancelled)

4. (New) The disk table rotation supporting structure of claim 1, wherein the rotating/driving mechanism comprises the motor, a first pulley associated with a shaft portion of the driving motor, a driving gear for driving the idler gear, a second pulley associated with a shaft portion of the driving gear, and a belt between the first and second pulleys.

5. (New) The disk table rotation supporting structure of claim 1, wherein the cam body has a cam groove on a side surface opposite to a surface having the gear portion.

6. (New) The disk table rotation supporting structure of claim 5, further comprising a movable member having a projection and a rotational shaft, wherein the projection slidably engages the cam groove such that when the cam body is rotated, the movable member swings about the rotational shaft to vertically move the turn table.

7. (New) The disk table rotation supporting structure of claim 1, wherein the lubricating member is made of fluorocarbon resin.

8. (New) The disk table rotation supporting structure of claim 1, further comprising a spring for pushing the disk table in a direction parallel to the central through hole.